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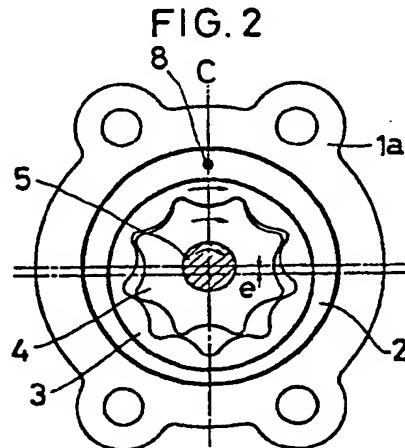
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(54) Variable discharge gear pump.

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(57) An improved variable discharge internal gear pump having a pump housing (1, 1a) and a gear set mounted in the pump housing and consisting of an outer rotor (3) and an inner rotor (4). The relative position between the gear set and the suction port and the discharge port formed in the pump housing are variable, thereby making the discharge volume variable. Three means for this purpose are proposed.





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EUROPEAN SEARCH REPORT

Application Number

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	GB-A-1 426 223 (CONCENTRIC PUMPS LTD) * Page 1, lines 31-80; page 2, lines 10-28; figure *	1-4	F 04 C 15/04
X	GB-A- 896 393 (BRUNDAGE) * Page 3, lines 40-93; figures 1,4 *	1,5	
X	US-A-3 026 809 (ANDERSON) * Column 3, line 56 - column 4, line 12; column 4, line 60 - column 5, line 6; column 5, lines 30-55; column 6, lines 3-24; figures 1,2,7,11,12,17,18 *	1,4,5	

TECHNICAL FIELDS SEARCHED (Int. Cl.4)			
F 04 C F 01 C			

The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	18-07-1988	DIMITROULAS P.	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			